Part of a Letter from Sr. R. B. *to Dr.* L. *concerning a new ſort of* Caleſh.

Sr. *William Petty*, Mr. *Molyneux* and I have ſpent this day in making experiments, with a new invented *Caleſh*, along with the Inventor thereof; 'tis he that was in London when I was there, but he never made any of theſe *Caleſhes* there, for his invention is much improved ſince he came thence; it is in all points different from any machine I have ever ſeen: It goes on two wheels; carries one Perſon; is light enough: as for its performance, tho' it hangs not on Braces, yet it is eaſier then the Common Coach, both in the high way, in ploughed Fields, croſs the ridges, directly, and obliquely: a common Coach will overturn, if one wheel go on a ſuperficies a foot and a half higher then that of the other, but this will admit of the difference of $3\frac{1}{3}$ foot in height of the ſuperficies, without danger of overturning: we choſe all the irregular Banks, and ſides of Ditches to run over, and I have this day ſeen it at five ſeverall times turn over and over, that is, the wheels ſo over-turnd as that their Spokes lye parallel to the Horizon, ſo that one wheel lies flat over the head of him that rides in the *Caleſh*, and the other wheel flat under him, but ſo much I call but once overturnd. But what I have mentioned was another turn more, ſo that the wheels were again in *Statu quo*, and the Horſe not in the leaſt diſordered. If the Horſe ſhould be in the leaſt unruly, with the help of one pin, you diſengage him from the *Caleſh* without any inconvenience. I my ſelf have been once overturnd, and knew it not till I lookt up, and ſaw the wheel flat over my

my head; and if a Man went with his Eyes ſhut, he would imagine himſelf in the moſt ſmooth way, tho' at the ſame time there be 3 foot difference in the height of the ground of each wheel. In fine, we have made ſo many and ſo various experiments, and are ſo well ſatisfied of the uſefullneſs of the Invention, that we have each of us beſpoken one; they are not (Plain,) above ſix or eight pound a piece,

Dublin,

May *5th*, 1685.